CLAIMS

What is claimed is:

1. An implantable device comprising a plurality of detachment junctions, wherein each junction is cleaved by the application of a different wavelength of electro-magnetic radiation.

2. The device of claim 1, wherein the electro-magnetic radiation is light.

3. The device of claim 1, wherein one or more junctions comprise a shape memory polymer.

4. The device of claim 2, wherein one or more junctions further comprise one or more dyes or pigments.

5. The device of claim 1, wherein the implantable device comprises a vaso-occlusive coil.

6. The device of claim 1, wherein the implantable device comprises a stent.

7. The device of claim 1, wherein the implantable device comprises a filter.

8. The device of claim 2, wherein the light is visible light.

9. The device of claim 2, wherein the light is non-visible light.

10. An assembly for use in delivering an implantable device comprising
(a) an implantable device according to claim 1; and

(b) a deployment mechanism.

11. The assembly of claim 10, wherein the deployment mechanism comprises one or more electro-magnetic radiation transmitting devices.

12. The assembly of claim 11, wherein the electro-magnetic radiation transmitting device comprises one or more fiber optic cables.

13. The assembly of claim 11, wherein the electro-magnetic radiation transmitting device comprises one or more light-transmitting fluids.

14. The assembly of claim 11, wherein the electro-magnetic radiation transmitting device comprises one or more light-transmitting wires.

15. The assembly of claim 11, wherein the implantable device comprises a vaso-occlusive coil.

16. The assembly of claim 11, wherein the implantable device comprises a stent.

17. The assembly of claim 11, further comprising
(d) a source of electro-magnetic radiation attached to the delivery mechanism.

18. The assembly of claim 17, wherein the electro-magnetic radiation is light.

19. The assembly of claim 18, wherein the light source comprises a laser.